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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Katsutoshi YOSHIKATO et al.

: Attorney Docket No. 2006_0865A

Serial No. 10/581,606

Filed June 5, 2006

HAIR GROWTH METHOD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO: 23-0975**

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☐ each reference previously cited in prior parent application Serial No. _____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) ☐ the certification of paragraph 2 below is provided, **or**
(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

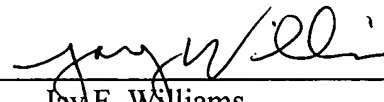
3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) citing one or more of the references along with an English translation of the International Application submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☐ Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Katsutoshi YOSHIZATO et al.

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September 8, 2006

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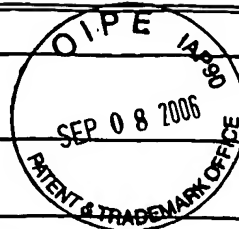
FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: September 8, 2006

ATTY DOCKET NO.
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10/581,606APPLICANT
Katsutoshi YOSHIZATO et al.FILING DATE
June 5, 2006

GROUP



U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|--------------------|--------|-----------------|-------|----------|-------------------------------|
| | AA | 2006/0088505 | 4/2006 | Hoffmann et al. | | | |
| | AB | | | | | | |
| | AC | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--|----|--------------------|--------|---------|-------|----------|-----------------------|
| | AD | 2004/044188 | 5/2004 | WO | | | Yes |
| | AE | 03/051419 | 6/2003 | WO | | | Yes |
| | AF | 1 688 484 | 8/2006 | EP | | | Yes |
| | AG | 03/068248 | 8/2003 | WO | | | Yes |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AH | R. F. Oliver, "Whisker growth after removal of the dermal papilla and lengths of follicle in the hooded rat", <u>J. Embryol. Exp. Morph.</u> , Vol. 15, No. 3, pp. 331-347 (1966). |
| | AI | Jahoda et al., "Induction of hair growth by implantation of cultured dermal papilla cells", <u>Nature</u> , Vol. 311, pp. 560-562 (1984). |
| | AJ | Pisansarakit, et al., "Induction of hair follicles in mouse skin by rat vibrissa dermal papillae", <u>J. Embryol. Exp. Morph.</u> , Vol. 94, pp. 113-119 (1986). |
| | AK | Horne et al., "Whisker growth induced by implantation of cultured vibrissa papilla cells in the adult rat", <u>J. Embryol. exp. Morph.</u> , Vol. 97, pp. 111-124 (1986). |
| | AL | Kobayashi et al., "Ectopic Growth of Mouse Whiskers from Implanted Lengths of Plucked Vibrissa Follicles", <u>The Journal of Investigative Dermatology</u> , Vol. 92, No. 2, pp. 278-282 (1989). |
| | AM | Reynolds et al., "Inductive Properties of Hair Follicle Cells", <u>Annals New York Academy of Sciences</u> , Vol. 642, pp. 226-242 (1991). |
| | AN | Horne et al., "Restoration of hair growth by surgical implantation of follicular dermal sheath", <u>Development</u> , Vol. 116, pp. 563-571 (1992). |

EXAMINER

DATE CONSIDERED

INFORMATION DISCLOSURE STATEMENT

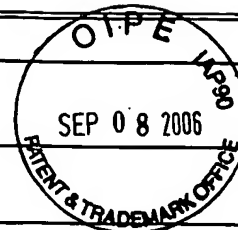
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|----------------------|----|--------------------|------|------|-------|----------|-------------------------------|
| | AO | | | | | | |
| | AP | | | | | | |
| | AQ | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--|----|--------------------|------|---------|-------|----------|-----------------------|
| | AR | | | | | | |
| | AS | | | | | | |
| | AT | | | | | | |
| | AU | | | | | | |
| | AV | | | | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
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| | AW | Reynolds et al., "Hair matrix germinative epidermal cells confer follicle-inducing capabilities on dermal sheath and high passage papilla cells", <u>Development</u> , Vol. 122, pp. 3085-3094 (1996). |
| | AX | Matsuzaki et al., "The upper dermal sheath has a potential to regenerate the hair in the rat follicular epidermis", <u>Differentiation</u> , Vol. 60, pp. 287-297 (1996). |
| | AY | Inamatsu et al., "Establishment of Rat Dermal Papilla Cell Lines that Sustain the Potency to Induce Hair Follicles from Afollicular Skin", <u>J. Invest Dermatol.</u> , Vol. 111, No. 5, pp. 767-775 (1998). |
| | AZ | Robinson et al., "In Vivo Induction of Hair Growth by Dermal Cells Isolated from Hair Follicles After Extended Organ Culture", <u>J. Invest Dermatol.</u> , Vol. 117, No. 3, pp. 596-604 (2001). |
| | BB | Reynolds et al., "Plasticity of hair follicle dermal cells in wound healing and induction", <u>Experimental Dermatology</u> , Vol. 12, pp. 126-136 (2003). |

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.